ENVIRONMENTAL INFORMATION FORM

Initial Study - Part 1
(To be Completed by Applicant)

Date Filed: 6/1/06

General Information

1.Name and address of developer or project sponsor: U.S. Army Engineer Research & Development Center
CEERD-EM-J—3909 Halls Ferry Road
Vicksburg, MS 39180

2. Address of project: Former Whittaker Bermite Facility
22116 West Soledad Canyon Road
Santa Clarita, CA 91350

Assessor's Block and Lot Number: 2836-012-011

3. Name, address, and telephone number of person to be contacted concerning this project:
Paul Hatzinger, PhD.
Shaw Environmental, Inc.
17 Princess Rd.
Lawrenceville, NJ 08648

4. Indicate number of the permit application for the project to which this form pertains: An Application/Report of Waste discharge was submitted to RWQCB on May 17, 2006. A permit application number has not been assigned yet.

5. List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state and federal agencies: A Site specific WDR Permit Application under the California Regional Water Quality Control Board, Los Angeles Region was submitted May 17, 2006; Well permit applications have been submitted to the County of Los Angeles – Mountain and Rural Program / Water, Sewage, & Subdivision Program; Approval of the revised demonstration work plan (Shaw, February 2006) was received by DTSC, in a letter dated April 3, 2006.

6. Existing zone district: See #16, Porta Bella Specific Plan (dated April 25, 1995)

7. Proposed use of the site (Project for which this form is filed): The demonstration site is currently a portion of the former Whittaker Bermite Facility. The Site is currently owned by Santa Clarita, LLC. The property is slated for development into a residential community. Shaw Environmental, Inc., under a U.S. Army Corps of Engineers grant, plans to conduct a field demonstration of in situ bioremediation of perchlorate in groundwater. The demonstration in involves the recirculation of groundwater using two extraction wells and one injection well, and the injection of electron donor (citrate) and nutrients (diammonium phosphate) into the alluvium aquifer to stimulate indigenous bacteria. DTSC approved the February 9, 2006, revised work plan for the project in a letter dated April 3, 2006.

Project Description

8. Site Size: One groundwater recirculation biobarrier, approximately 56 feet in width (distance between extraction wells); Distance between injection well and furthest downgradient monitoring well is approximately 70 feet. (see Figures 3.2, 3.3 and 3.4).

9. Square footage: Approximately 4,000

10. Number of floors of construction: NA

11. Amount of off-street parking provided: NA

12. Attach Plans: See attached project plans (Figures 3.1, 3.2, 3.3, 3.4 and 5.1).

13. Proposed scheduling: June 2006 to August 2007

14. Associated project: NA

15. Anticipated incremental development: NA

16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected: The Specific Plan that provides for the vested master-planned community includes development of 2911 residential units, comprised of a combination of single family attached and detached units, as well as multi-family units (along with substantial retail, office, commercial components). The parameters and requirements for each residential unit size and type is specified with the Porta Bella Specific Plan (dated April 25, 1995). No residential or commercial units are architecturally designed, constructed or priced yet. Due to the voluminous nature of this governing Porta Bella Specific Plan and accompanying Development Agreement (as recorded April 3, 1996), the referenced documents have not been attached here but can provided under separate cover upon request.

17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities: N/A

18. If industrial, indicate type, estimated employment per shift, and loading facilities: N/A

19. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project: N/A

20. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required: N/A

Are the following items applicable to the project or its effects?
(Discuss/explain all items checked "Yes", attach additional sheets as necessary)

21. Change in existing features of any bays, tidelands, beaches, or hills, or substantial alteration of ground contours.
[ ] Yes[X] No

22. Change in scenic views or vistas from existing residential areas or public lands or roads.
[ ] Yes[X] No

23. Change in pattern, scale or character of general area of project.

[ ] Yes[X] No

24. Significant amounts of solid waste or litter.
[ ] Yes[X] No

25. Change in dust, ash, smoke, fumes or odors in vicinity.
[ ] Yes[X] No

26. Change in ocean, bay, lake, stream or groundwater quality or quantity, or alteration of existing drainage patterns.
[X] Yes[ ] No The overall groundwater quality in the demonstration area is expected to be improved by the reduction of groundwater perchlorate concentrations. A temporary increase in citrate concentrations in the alluvium groundwater within the demonstration area will occur during the demonstration. Groundwater monitoring wells are in place and monitored (see Figure 3.3). They will be used to evaluate any long term impact to water quality.

27. Substantial change in existing noise or vibration levels in the vicinity.
[ ] Yes[X] No

28. Site on filled land or on slope of 10 percent or more.
[ ] Yes[X] No

29. Use or disposal of potentially hazardous materials, such as toxic substances, flammables or explosives.
[ ] Yes[X] No

30. Substantial change in demand for municipal services (police, fire, water, sewage, etc.).
[ ] Yes[X] No

31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).
[ ] Yes[X] No

32. Relationship to a larger project or series of projects.
[ ] Yes[X] No

Environmental Setting

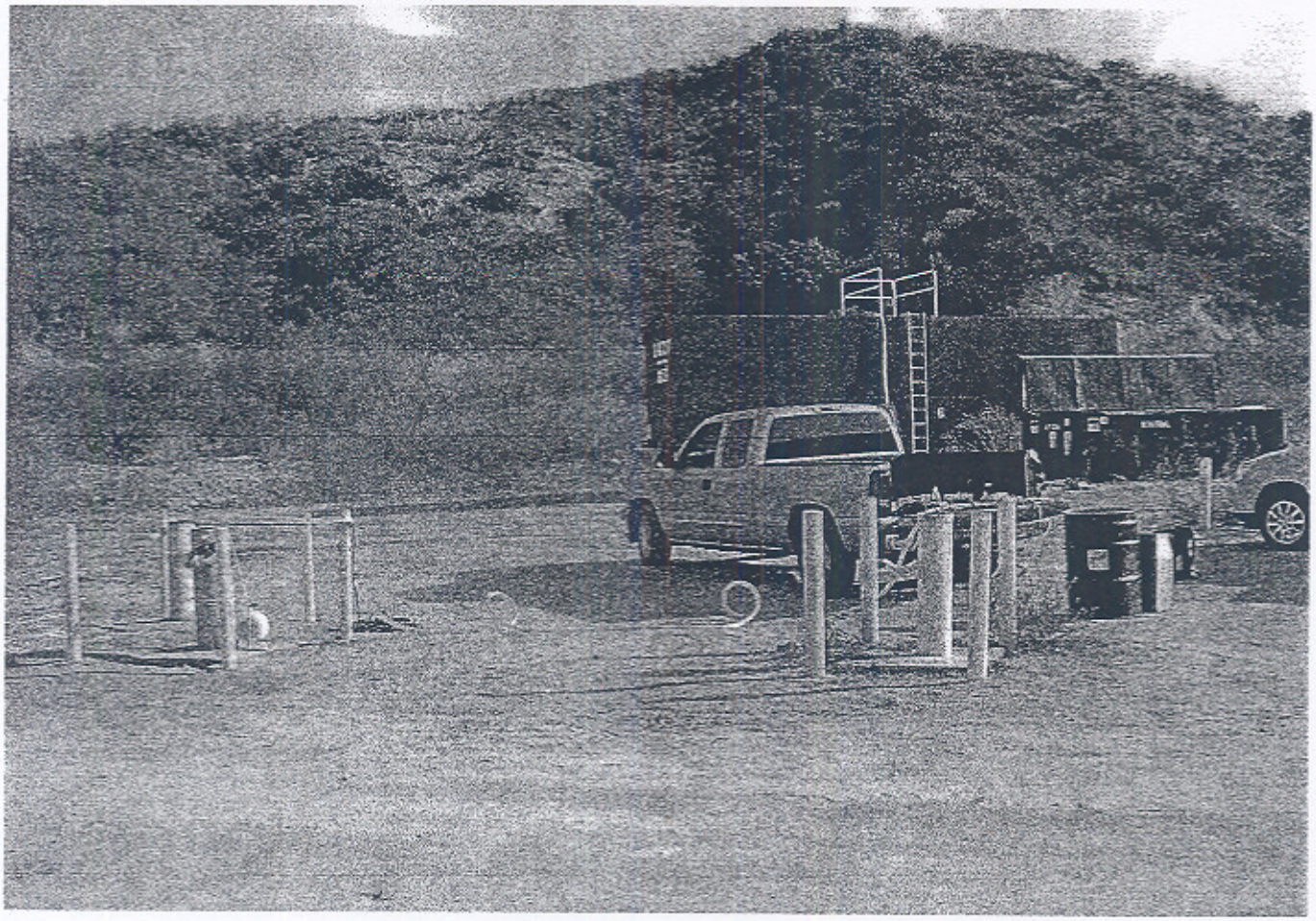
33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted. See attached photos of demonstration area. No change in the Project Site topography, soil stability, plants, and animals, or any cultural, historical, or scenic aspects will occur.

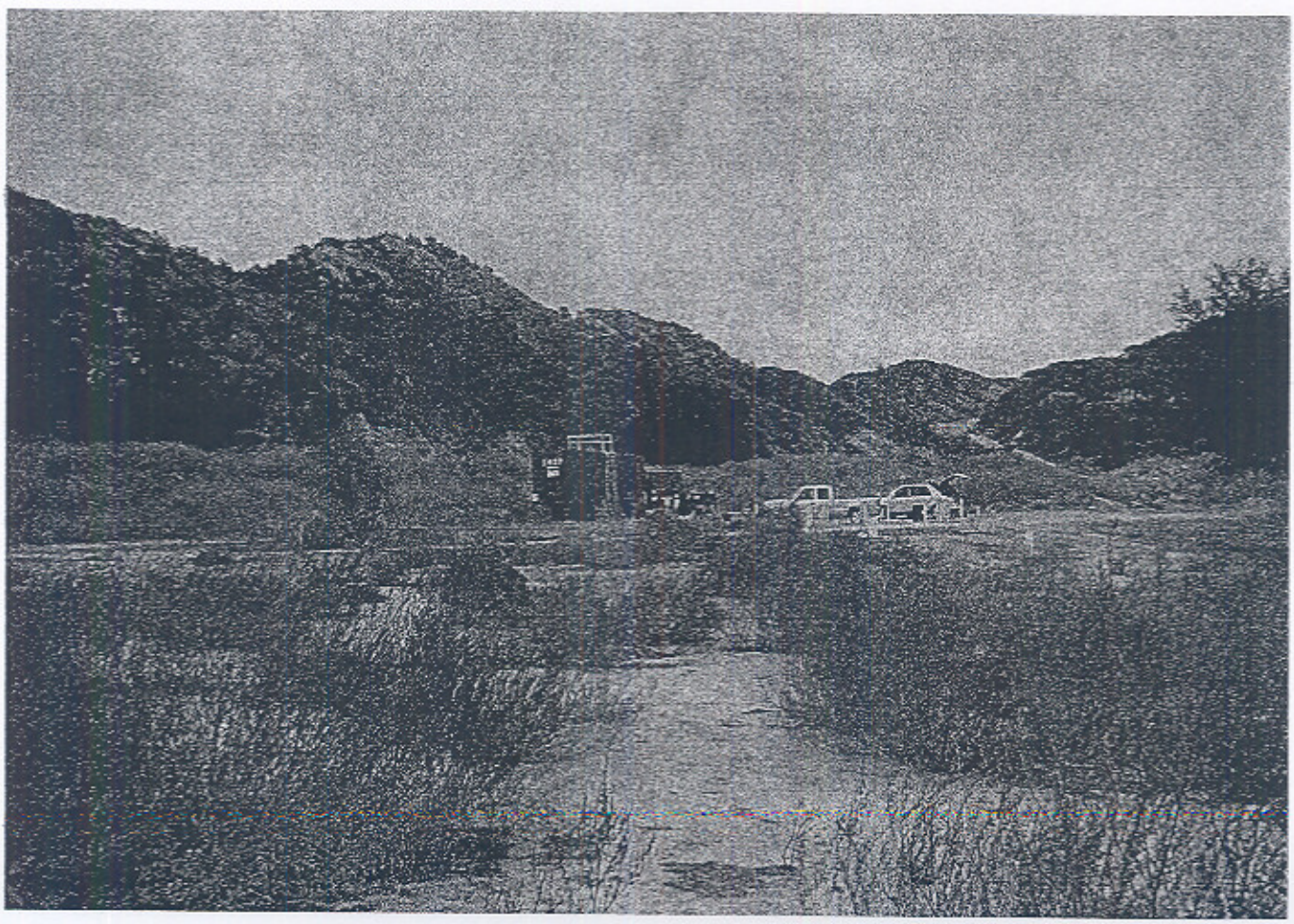
34. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, setback, rear yard, etc.). Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted. Not Applicable

Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date: 6/19/2006
Signature: Paul B. Hatzinger
Print Name: Paul Hatzinger, PhD.
For: Shaw Environmental, Inc.





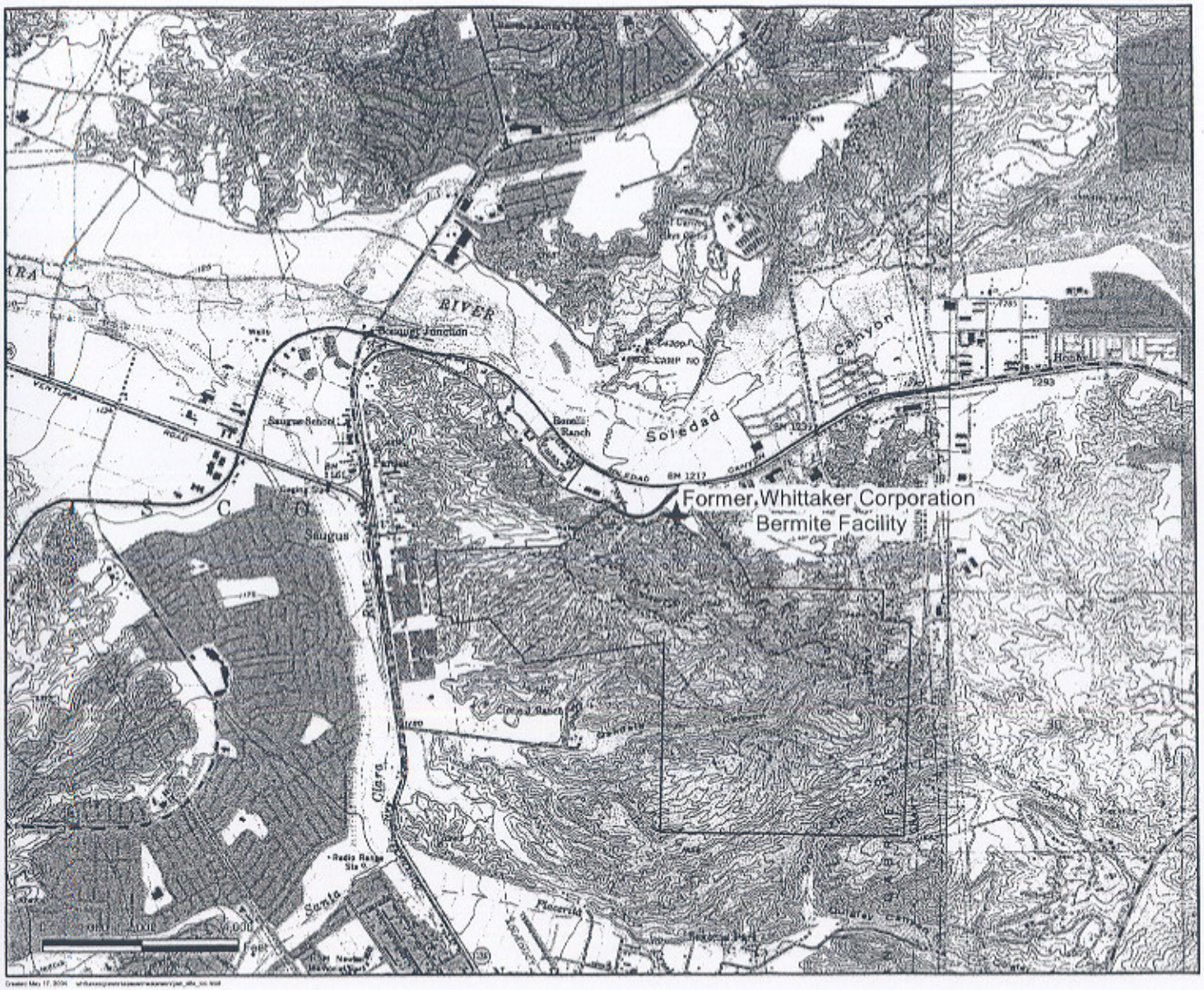


Figure 3-1

Site Location Map

Former Whittaker Corporation
Bermite Facility
Santa Clarita, California

Note: Topographic image downloaded from TerraServer

Shaw

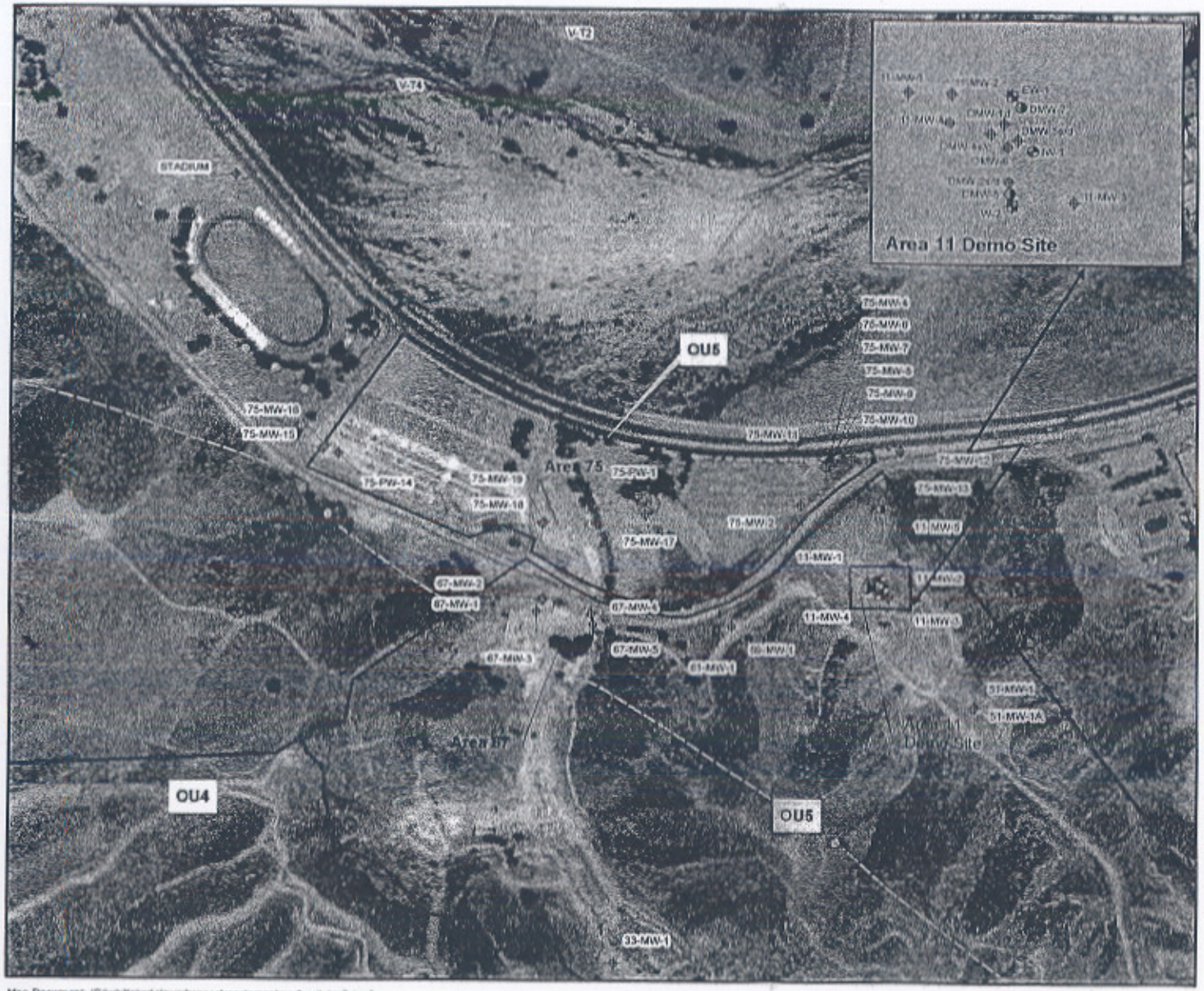


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Figure 3.2

Demonstration Area
Location Detail

Former Whittaker Corporation
Bermite Facility
Santa Clarita, California

Legend

- Existing Monitoring Well
- Proposed Monitoring Well
- Proposed Extraction Well
- Proposed Injection Well
- Fault
- OU Boundary

N
W
E
S

0 200 400 800
Feet

Note: Aerial Photo downloaded from TerraServer

Shaw

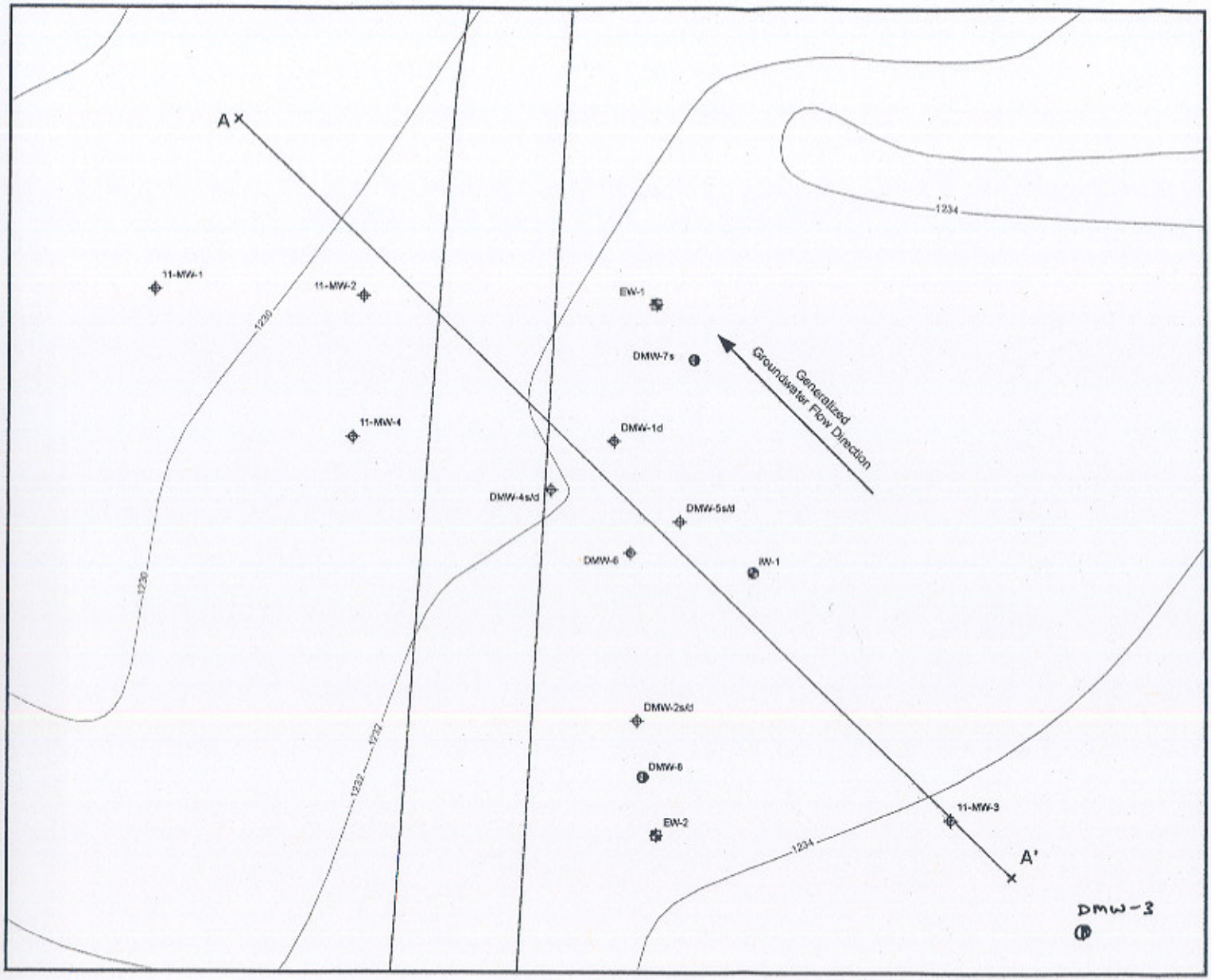

Figure 3.3

Demonstration Well Layout - Area 11

Former Whittaker Corporation
Bermite Facility
Santa Clarita, California

Legend

- Road
- Surface Contour (2 ft)
- Existing Monitoring Well
- Proposed Monitoring Well
- Proposed Extraction Well
- Proposed Injection Well

N
W
E
S

0 5 10 20 Feet

Shaw®

Map Document: (C:\whittaker\gis\workspace\masterson\mxd\area11_well_location_dec2005.mxd)
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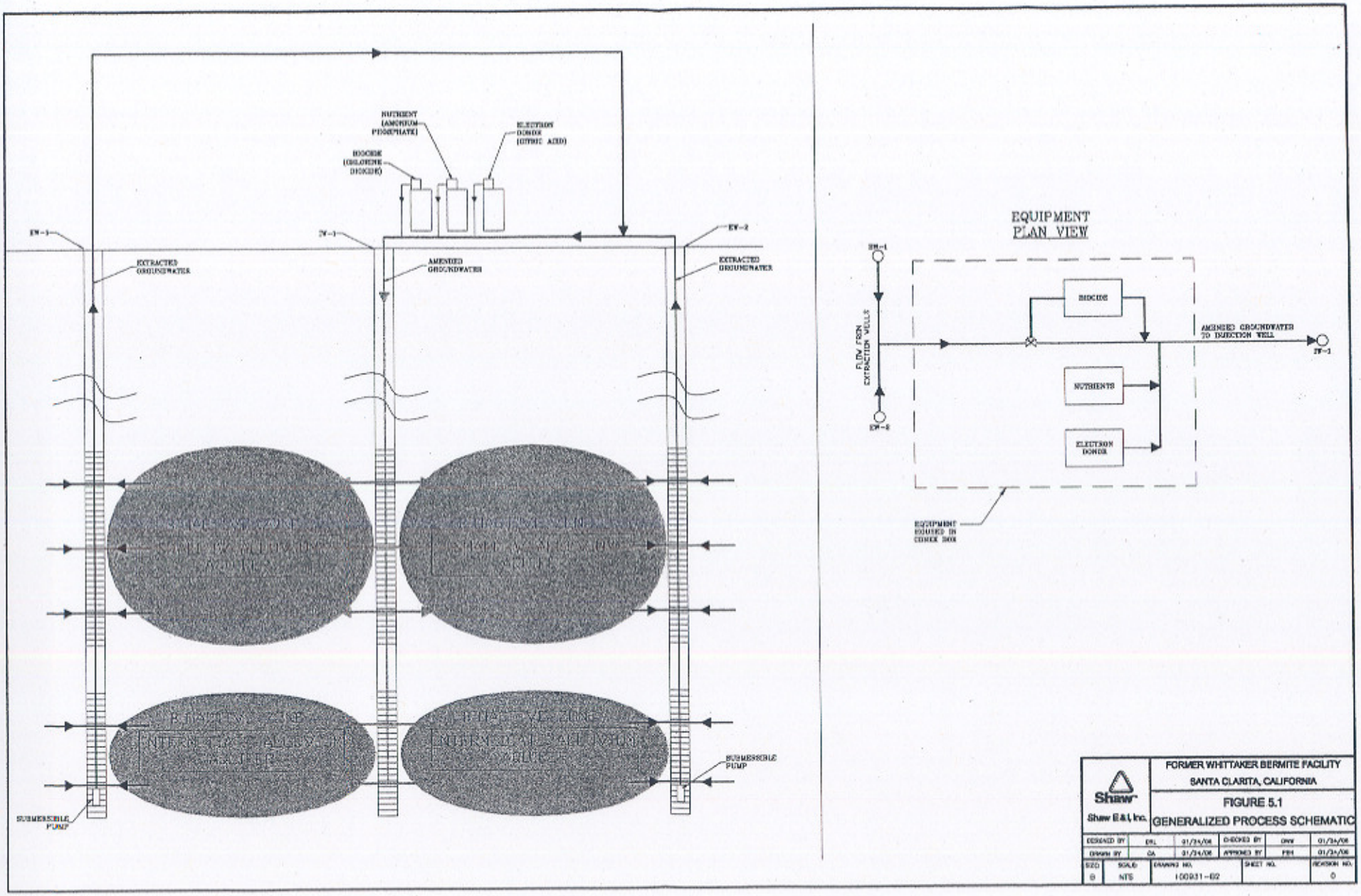

EQUIPMENT
PLAN VIEW

Shaw E&I, Inc.	FORMER WHITTAKER BERMITE FACILITY SANTA CLARITA, CALIFORNIA FIGURE 5.1 GENERALIZED PROCESS SCHEMATIC					
DESIGNED BY	DRL	01/24/06	CHECKED BY	DNW	01/24/06	
DRAWN BY	GA	01/24/06	APPROVED BY	FEH	01/24/06	
SIZE: B	SCALE: NTS	DRAWING NO.: 100931-02	SHEET NO.:	REVISION NO.: 0		